REMARKS

Claims 1-32 were presented for examination and stand rejected under 35 U.S.C. §102(e) as anticipated by U.S. Patent No. 6,938,247, to Czajkowski (hereafter, "Czajkowski"). Claims 1 and 23 have been amended. No claims have been added. No new matter has been added. Claims 1 and 23 are independent.

Applicants' attorneys thank the Examiner for the opportunity to discuss this application and the cited reference by telephone on February 1, 2008. This Response incorporates the amendments and arguments discussed with the Examiner. In that interview, the Examiner indicated that the instant amendment would overcome the rejections based on the Czajkowski reference because it does not teach redirection, to an isolation environment, of a request for a native resource provided by an operating system.

Rejection of Claims Under 35 U.S.C. §102(e)

The Examiner rejected claims 1-32 as anticipated by Czajkowski. Independent claim 1, as proposed to be amended, recites in relevant part:

> A method for isolating access by application programs to native
> resources provided by an operating system ... redirecting, to an
> isolation environment comprising a user isolation scope and an
> application isolation scope, a request for a native resource provided
> by an operating system, the request made by a process executing
> on behalf of a first user...

(emphasis added). Independent claim 23 recites a similar limitation:

> An isolation environment for isolating access by application
> programs to native resources provided by an operating system, the
> isolation environment comprising ... a user isolation scope storing
> an instance of a native resource provided by an operating system
> ... a redirector intercepting a request for the native resource made
> by a process executing on behalf of the user and redirecting the
> request to the user isolation scope.

(emphasis added). Czajkowski does not teach or suggest redirecting, to an isolation environment, a request for a native resource.

Czajkowski merely describes a system for inspecting the source code in a Java program, or the Java byte code resulting from an intermediate compilation of a Java program, so that isolated applications may execute in a single virtual machine and may access shared classes. *See* Czajkowski, col. 11, lines 34-57. Czajkowski describes methods for separating out the static fields component of a class, maintaining a separate copy of static fields in shared classes, and creating a class including instance fields corresponding to one or more static fields. *See* Czajkowski, col. 11, lines 16-18 and 60-62; and col. 12, lines 40-45. Describing a method for transforming the source code in a shared class into source code for three different classes for the purpose of enabling shared access to the class by applications instantiating the classes does not teach a method for redirecting, to an isolation environment, a request for a native resource provided by an operating system.

In contrast to the classes within applications on which Czajkowski focuses, native resources provided by the operating system include, for example, file systems, registry databases and objects such as semaphores, mutexes, timers and other communication and synchronization objects. *See* Specification at 1-2. As described in the specification, file systems provide mechanisms for an application program to open, create, read, copy, modify, and delete data files, and registry databases provide functionality such as storing information regarding hardware physically attached to the computer, how computer memory is set up, various items of application-specific data, and what application programs should be present when the operating system is started. *See* Specification, page 1-2. Even assuming for the sake of argument that the Java class members and system properties described in Czajkowski are native resources, one of ordinary skill in the art would not consider those Java class members or Java system properties to be native resources provided by an operating system.

Czajkowski also fails to teach any component for redirecting requests for native resources. As described in the specification, a redirector may be a dynamically-linked library, a service, driver, daemon, kernel mode driver, filter driver, mini-filter driver, file system filter driver, or other mechanism for intercepting or receiving a request for a native resource from a process executing on behalf of a user. *See* Specification at 19-20. Since Czajkowski does not address isolating applications by redirecting requests for access to native resources provided by

an operating system, there is no need for a mechanism to intercept and redirect requests for native resources. Therefore, Czajkowski wholly lacks the concept of a redirector.

Furthermore, Czajkowski fails to teach the step of redirecting, to an isolation environment, a request for a native resource provided by an operating system. Czajkowski describes only a method for effectively rewriting applications and does not teach the step of redirecting, to an isolation environment, a request for a native resource. Rewriting an application so that, instead of requesting access to a shared class, the application uses a different method to request access to a different class does not teach intercepting a request by a process to a native resource and redirecting the request to an isolation environment. As with the concept of a redirector, since Czajkowski fails to teach native resources or isolating application requests for access to native resources, there is no need in Czajkowski for the step of redirecting a request for a native resource provided by an operating system to an isolation environment.

Accordingly, Applicants respectfully Czajkowski fails to teach each and every limitation of independent claims 1 and 23. Applicants respectfully request that the Examiner reconsider and withdraw the rejection of independent claims 1 and 23, and dependent claims 2-22 and 24-32.

<u>CONCLUSION</u>

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to pass this application to issue.

Please charge any additional fees that may be required, or credit any overpayments, to our Deposit Account No. 03-1721.

Respectfully submitted,
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